SEQUENCE LISTING
(1) GENERAL INFORMATION:
        (i) APPLICANT: Perkin-Elmer Corporation,
                    Applied Biosystems Division
        (ii) TITLE OF INVENTION: HYBRIDIZATION ASSAY USING SELF
QUENCHING
FLUORESCENCE PROBE
        (iii) NUMBER OF SEQUENCES: 14
        (iv) CORRESPONDENCE ADDRESS:
            (A) ADDRESSEE: David J. Weitz,
                        Haynes & Davis
            (B) STREET: 2180 Sand Hill Road, Suite 310
            (C) CITY: Menlo Park
            (D) STATE: California
            (E) COUNTRY: USA
            (F) ZIP: 94025-6935

        (v) COMPUTER READABLE FORM:
            (A) MEDIUM TYPE: 3.5 inch diskette
            (B) COMPUTER: IBM compatible
            (C) OPERATING SYSTEM: Microsoft Windows 3.1/DOS 5.0
            (D) SOFTWARE: Wordperfect for windows 6.0,
                        ASCII (DOS) TEXT format

        (vi) CURRENT APPLICATION DATA:
            (A) APPLICATION NUMBER:
            (B) FILING DATE:
            (C) CLASSIFICATION:

        (vii) PRIOR APPLICATION DATA:
            (A) APPLICATION NUMBER: 08/340,558
            (B) FILING DATE: 16-NOV-94

        (viii) ATTORNEY/AGENT INFORMATION:
            (A) NAME: David J. Weitz
            (B) REGISTRATION NUMBER: 38,362
            (C) REFERENCE/DOCKET NUMBER: PELM4264CIP2

        (ix) TELECOMMUNICATION INFORMATION:
            (A) TELEPHONE: (415) 233-0188
            (B) TELEFAX: (415) 233-1129

(2) INFORMATION FOR SEQ ID NO: 1:
        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 14 nucleotides

```
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
ACCCACAGGA  ACTGATCACC  ACTC                                    24


(2) INFORMATION FOR SEQ ID NO: 2:
         (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 26 nucleotides
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
ATGTCGCGTT  CCGGCTGACG  TTCTGC                                  26


(2) INFORMATION FOR SEQ ID NO: 3:
         (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 27 nucleotides
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
TCGCATTACT  GATCGTTGCC  AACCAGT                                 27


(2) INFORMATION FOR SEQ ID NO: 4
         (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 31 nucleotides
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4
GTACTGGTTG  GCAACGATCA  GTAATGCGAT  G                           31


(2) INFORMATION FOR SEQ ID NO: 5
         (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 28 nucleotides
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5
  CGGATTTGCT  GGTATCTATG  ACAAGGAT                              28


(2) INFORMATION FOR SEQ ID NO: 6
         (i) SEQUENCE CHARACTERISTICS:
```

(A) LENGTH: 31 nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
               (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6
TTCATCCTTG TCATAGATAC CAGCAAATCC G   31

     (2) INFORMATION FOR SEQ ID NO: 7
               (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: 25 nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
               (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7
TCACCCACAC TGTGCCCATC TACGA   25

     (2) INFORMATION FOR SEQ ID NO: 8
               (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: 25 nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
               (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8
CAGCGGAACC GCTCATTGCC AATGG   25

     (2) INFORMATION FOR SEQ ID NO: 9
               (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: 26 nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
               (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9
ATGCCCTCCC CCATGCCATC CTGCGT   26

     (2) INFORMATION FOR SEQ ID NO: 10
               (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: 30 nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
               (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10
AGACGCAGGA TGGCATGGGG GAGGGCATAC   30

     (2) INFORMATION FOR SEQ ID NO: 11
               (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24 nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11
CGCCCTGGAC TTCGAGCAAG AGAT   24

(2) INFORMATION FOR SEQ ID NO: 12
          (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: 28 nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12
CCATCTCTTG CTCGAAGTCC AGGGCGAC   28

(2) INFORMATION FOR SEQ ID NO: 13
          (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13
CAAGCTTCCC GTTCTCAGCC T   21

(2) INFORMATION FOR SEQ ID NO: 14
          (i) SEQUENCE CHARACTERISTICS:
                    (A) LENGTH: 30 nucleotides
                    (B) TYPE: nucleic acid
                    (C) STRANDEDNESS: single
                    (D) TOPOLOGY: linear
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14
ACCGTCAAGG CTGAGAACGG GAAGCTTGTC   30